



Memo

date: May 4, 2005
to: Distribution
from: R. Karol
subject: "Safety-Walk"

On Wednesday, May 4, 2005 at 1100 hours, A "Safety-Walk" was performed focusing on the switching of the RHIC Injection Magnet Cooling Water Pumps in Building 1000P during a maintenance day shutdown.

Safety-Walk Attendees:

Ray Karol (C-A ESHQ)
John DeBoer (Water Group Technical Supervisor)
Robert Edwards (Water Group Technician)
Mark Perigine (Water Group Technician)

Task: Observe switching from RHIC Injection Magnet Cooling Water Pump I to Pump II in preparation to repair a mechanical seal leak and replace motor bearings on Pump I. During the start of Pump II, an internal short in the motor windings caused sparking and a smoke alarm. This observer observed emergency response during this unexpected condition.

Positive Observations:

- Areas were posted as noise area and ear protection was worn
- Compliance with the PPE requirements of NFPA 70E for breaker and switch operations
- Personnel were very knowledgeable of system design, and switching operation
- Pump II valve lineup verified correct and verified that pump shaft rotated easily before attempting to start pump.
- When Pump II started to spark at startup, Water Group personnel responded properly and calmly by stopping the pump, opening breaker and LOTO'ing power to pump, turning on building exhaust fan to clear smoke from room, contacted MCR to inform them of what happened, and communicated clearly with the BNL Fire/Rescue Group upon their arrival.

- Arrangements were made to have Electricians respond to disconnect cables to Pump II to ensure it was safe before investigation and removal of the burned motor, and to verify that power to Pump I was in a safe condition prior to restarting Pump I.

Negative Observations:

None

Distribution: Safety-Walk Attendees

E. Lessard

J. Sandberg

D. Lowenstein

R. Grandinetti

A. Pendzick